

ENVIRONMENTAL INDICATORS and SELECTED TIME SERIES

Total freshwater abstractions:

last update: June 2007

	1990	1995	2000	2001	2002	2003	2004	2005
	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>
Armenia	3 942	2 531	1 871	1 726	1 736	1 976	2 803	...
Australia	...	24 071 ¹	21 703 ²	...	...	...	18 767 ³	...
Austria	3 807 ⁴	3 449 ⁴	3 668 ⁴	...	3 816 ⁴	...	...	...
Azerbaijan	15 463	13 788	10 990	9 923	9 919	10 518	11 175	...
Bahamas	5	3	3	...	...	...	...	...
Barbados	61	61	52	...	...	...	...	...
Belarus	3 035	2 114	1 883	1 886	1 866	1 831	1 791	1 773
Belgium	...	8 255	7 546	...	6 749	...	...	...
Belize	...	9	9	9	11	11	11	10
Bermuda	...	...	...	...	...	...	...	8
Brazil	...	...	50 205	...	...	...	...	...
Brunei Darussalam	...	...	...	...	159 ⁵	237 ⁶	242 ⁶	245 ⁶
Bulgaria	10 218	6 326	6 132	5 833	...	...	...	...
Canada	45 096 ⁷	42 214 ⁸	...	...	...	...	...	...
Chile	...	1 253 ⁹	1 397 ⁹	1 398 ⁹	1 421 ⁹	...	...	...
China	...	...	550 887	554 473	547 502	530 404	553 136	...
China, Hong Kong SAR	221	303	261	301	252	252	111	298
China, Macao SAR	3	3	3	2	1	1	1	2
Croatia	...	...	1 080	794	773	955	619	...
Cuba	6 962	6 098	6 104	...	...	...	5 626	3 957
Cyprus	...	...	175	...	...	...	...	...
Czech Republic	3 623	2 743	1 918	1 839	...	...	2 028	...
Denmark	1 261	887	726	707	668	...	...	...
Ecuador	...	...	12	...	...	...	...	...
Estonia	3 215	1 780	1 471	1 471	...	...	...	...
Ethiopia	50 ¹⁰	58 ¹¹	63 ¹¹	66 ¹¹	...	...	...	...
Finland	2 347 ⁴	2 586 ⁴	2 346 ⁴	2 319 ⁴	...	...	...	...
France	37 687	40 671 ¹²	32 715 ¹³	...	33 164	...	...	...
Georgia	3 858	2 000	2 010	16 772	32 059	25 663	19 046	...
Germany	47 873 ⁷	43 374	40 590 ¹⁴	38 006	...	...	35 557	...
Greece	7 835 ¹⁵	7 732 ¹⁵	...	...	...	...	...	...
Guinea	...	...	...	...	...	...	...	31
Honduras	...	...	...	...	...	895	934	...
Hungary	6 295	6 054	5 591	4 552	...	...	...	...
Iceland	167 ¹⁶	165 ¹⁶	163 ¹⁶	156	...	165 ¹⁶	...	...
Ireland	...	1 176 ¹²	...	...	...	...	...	...
Israel	1 765	1 798	1 720	1 579	1 642	1 676	...	...
Italy	...	...	41 982 ¹⁴	...	...	...	...	...
Japan	88 889	89 078	87 148	86 210	...	...	...	...
Jordan	865	754	746	...	737	735	780	...
Korea, Republic of	21 300	23 700 ¹²	26 020 ¹⁴	...	...	26 193	...	...
Kyrgyzstan	11 122	9 308	8 024	10 390	8 463	7 555	9 026	...

Latvia	...	418	283	258	...	...	...	...
Lebanon	...	...	...	...	...	...	1 250 ¹⁷	...
Lithuania	4 311	4 582	3 578	2 768 ¹⁸	...	...	...	...
Luxembourg	59 ¹⁹	57 ²⁰	60 ²¹	...	...	...	...	...
Madagascar	...	...	14 970 ²²	...	...	...	...	...
Mali	...	...	...	...	4 636	...	...	...
Malta	21	20	17	...	...	...	...	...
Mauritius	621	650	677	677	726	725	725	691
Mexico	...	73 672	70 428	72 564	...	...	75 431	...
Monaco	1	2	2	1	1	...	...	...
Montenegro	3 351 ²³	4 106 ²³	2 960 ²³	...	...	...	...	...
Morocco	...	...	13 450	12 196	14 819	13 000	...	...
Netherlands	7 984 ⁷	6 507 ⁸	...	8 937	...	...	...	...
New Zealand	...	2 000 ²⁴	5 410 ²⁵	...	...	...	...	...
Norway	...	2 420 ⁸	3 245 ²¹	...	3 391	...	...	...
Oman	940	999	1 104	...	...	...	...	...
Panama	315	371	392	399	423	439	479	538
Peru	545 ²⁶	...	678 ²⁶	...	...	...	...	...
Philippines	123 327	153 605	177 148	178 156	178 586	179 381	181 322	182 751
Poland	15 164 ²⁷	12 924 ²⁷	11 994 ²⁷	11 599	...	...	11 548 ²⁷	...
Portugal	7 288 ²⁸	10 849 ⁸	8 808	...	...	...	...	...
Republic of Moldova	3 918	2 005	918	874	866	864	852	...
Romania	17 510	10 300	7 967	7 343	...	...	...	...
Serbia	3 351 ²³	4 106 ²³	2 960 ²³	...	2 427	2 430	...	...
Slovakia	2 116	1 386	1 171	1 139	...	...	1 064	...
Slovenia	444	386	304	293	...	...	...	...
South Africa	...	16 735	17 246	...	...	...	...	...
Spain	36 900 ⁷	33 288 ²⁹	38 835	38 544	36 992	...	...	...
St. Vincent and the Grenadines	7 ¹⁰	7 ¹⁰	9 ¹⁰	...	...	...	...	...
Sweden	2 968	2 725	2 688	2 689	2 676	...	...	...
Switzerland	2 665 ³⁰	2 571 ³⁰	2 564 ³⁰	2 539	2 518 ³⁰	...	...	...
The Former Yugoslav Rep. of Macedonia	2 786	2 862	2 272	661	627	816	1 663	...
Trinidad and Tobago	...	...	324 ³¹	307 ³¹	329 ³¹	295	322	345
Tunisia	1 198	1 431	1 703	1 451	1 783	1 726	1 664	...
Turkey	28 073	30 112	39 300	39 780	...	...	...	...
Ukraine	34 494	24 986	17 466	16 704	15 492	14 124	13 776	...
United Kingdom	12 052 ³²	12 117 ³²	15 022 ³²	...	...	13 649 ³²	...	...
United States	468 620	470 514	476 800	...	...	...	...	...
Zambia	...	2 431	...	...	...	...	...	...

Sources:

UNSD/UNEP 2001, 2004 and 2006 questionnaires on Environment statistics, Water section
 OECD/Eurostat 2004 questionnaire on Environment statistics, Water section
 OECD Environmental Data, Compendium 2006, Inland Waters section

Footnotes:

- 1 Fiscal year 1996/97 data.
- 2 Fiscal year 2000/01 data.
- 3 Fiscal year 2004/05 data.
- 4 Partial total.

- 5 Data refer to water production by all water treatment works, Brunei Liquefied Natural Gas Sdn Bhd Company (BLNG) and Brunei Shell Petroleum Company (BSP).
- 6 Data is estimated from the water demand projection carried out in Brunei Water Demand and Resources Study.
- 7 1991 data.
- 8 1996 data.
- 9 Includes only public supply from fresh surface and ground water.
- 10 Data refer to Fresh surface water.
- 11 Data refer to Fresh surface and ground water.
- 12 1994 data.
- 13 Break in time series in 2000.
- 14 1998 data.
- 15 Partial totals: Agriculture (only irrigation) + production of electricity.
- 16 Totals include the domestic use of geothermal water.
- 17 The total amount of freshwater (surface and groundwater) is equal to 2600 mio m³/y, of which only 2000 mio m³/y are effectively exploitable, whereas only 1250 mio m³/y are being abstracted (by public and private bodies) and are ready for consumption.
- 18 The huge decrease in surface water abstraction is due in the fact that 'Kruonis' hydroaccumulative power plant is not included.
- 19 1989 data.
- 20 Annual average between 1990 and 1995.
- 21 1999 data.
- 22 Includes volume of water abstracted by the water supply industry, Households, Agriculture, forestry and fishing, and Manufacturing industries.
- 23 Data refer to Serbia and Montenegro.
- 24 1993 figure excluding water abstracted for industrial or electrical cooling.
- 25 1999 estimate.
- 26 The information corresponds to the province of Lima and the Constitutional province of Callao.
- 27 Totals include mining and construction water discharged without use.
- 28 Estimate, equals year - 1.
- 29 Excluding agricultural uses besides irrigation.
- 30 Partial totals excluding all agricultural uses.
- 31 Includes water abstraction by water supply industry, Agriculture, forestry and fishing, and Manufacturing industries only.
- 32 England and Wales only.

Definitions & Technical notes:

Total freshwater abstractions is water removed from any source, either permanently or temporarily. Includes abstraction by the water supply industry (ISIC 41) and direct abstraction by other activities, and water abstracted but returned without use, such as mine water and drainage water.